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Customer Number

Patent  
Case No.: 58354US002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Inventor: ROSENFLANZ, ANATOLY Z.

Patent No.: 7297171 Application No.: 10/666615

Dated: November 20, 2007 Confirmation No. 9899

Title: METHODS OF MAKING CERAMICS COMPRISING AL<sub>2</sub>O<sub>3</sub>, REO, ZRO<sub>2</sub>  
AND/OR HFO<sub>2</sub> AND NB<sub>2</sub>O<sub>5</sub> AND/OR TA<sub>2</sub>O<sub>5</sub>

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322 AND 1.323**

Commissioner for Patents  
Office of Publication  
Attn: Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]**

I hereby certify that this correspondence is being:

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September 16, 2009 /Joyce M. Courtney/  
Date Signed by: Joyce M. Courtney

Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

The errors are attributable to both the Applicant(s) and the Patent and Trademark Office.

Fees

- Any required fee will be made at the time of submission via EFS-Web. In the event fees are not or cannot be paid at the time of EFS-Web submission, please charge any fees under 37 CFR § 1.20(a) which may be required to Deposit Account No. 13-3723.
- Please charge any fees under 37 CFR §§ 1.20(a), 1.16 and 1.17 which may be required to Deposit Account No. 13-3723.
- Please charge any additional fees associated with the prosecution of this application to Deposit Account No. 13-3723. This authorization includes the fee for any necessary extension of time under 37 CFR § 1.136(a). To the extent any such extension should become necessary, it is hereby requested.
- Please credit any overpayment to the same deposit account.

Respectfully submitted,

September 15, 2009

Date

By: /Gregory D. Allen/

Gregory D. Allen, Reg. No.: 35,048

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Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

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**CERTIFICATE OF CORRECTION**

Page 1 of 5

PATENT NO.: 7297171  
DATED: November 20, 2007  
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page, Column 1

Section (54), Line 3 of the Title, delete “NB<sub>2</sub>O<sub>5</sub>” and insert - - NB<sub>2</sub>O<sub>5</sub> - -, therefor.

First Page, Column 2

Under “Other Publications”, line 4, delete “Internet” and insert - - Interface - -, therefor.

Under “Other Publications”, line 17, after “Interactive” insert - - Internet - -.

Page 3, Column 2

Under “Foreign Patent Documents”, line 51, delete “RU” and insert - - SU - -, therefor.

Page 4, Column 1

Under “Other Publications”, line 3, delete “ptg.djnr.com/ccroot/asp/publib/story.asp”;” and insert - - ptg.djnr.com/ccroot/asp/publib/story.asp”; - -, therefor.

Under “Other Publications”, line 15, delete “Feb. 2, 1999,” and insert - - Feb. 4, 1999, - -, therefor.

Under “Other Publications”, line 28, after “5245,” insert - - 5251, - -.

Under “Other Publications”, line 30, delete “152,” and insert - - 125, - -, therefor.

Under “Other Publications”, line 46, delete “pp.” and insert - - p. - -, therefor.

Under “Other Publications”, line 58, after “(1970)” insert - - , pp. - -.

Page 4, Column 2

Under “Other Publications”, line 24, delete “REA10<sub>3</sub>” and insert - - REAlO<sub>3</sub> - -, therefor.

Under “Other Publications”, line 61, delete ““Fundamentals” and insert - - “Fundamentals - -, therefor.

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PATENT NO. 7297171

**OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
3M CENTER - P.O. BOX 33427  
SAINT PAUL, MINNESOTA 55133-3427**

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Page 2 of 5

PATENT NO.: 7297171  
DATED: November 20, 2007  
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 5, Column 1

Under "Other Publications", line 7, delete "composited" and insert - - "composites - -, therefor.  
Under "Other Publications", line 56, delete "Particles,"filed" and insert - - "Particles", filed - -, therefore

Page 5, Column 2

Under "Other Publications", line 57. delete "Particles,"filed" and insert - - "Particles", filed - -, therefor.  
Under "Other Publications", line 67, delete "Power" and insert - - "Powder - -, therefor.

Column 1

In the Title, line 3, delete "NB<sub>2</sub>O<sub>5</sub>" and insert - - NB<sub>2</sub>O<sub>5</sub> - -, therefor.

Column 2

Line 8, after "3", insert - - ) - -.  
Line 63, delete "CeAl<sub>11</sub>O<sub>18</sub>," and insert - - CeAl<sub>11</sub>O<sub>18</sub>, - -, therefor.

Column 3

Line 1, delete "Al<sub>2</sub>O<sub>3</sub> Y<sub>2</sub>O<sub>3</sub>" and insert - - Al<sub>2</sub>O<sub>3</sub>.Y<sub>2</sub>O<sub>3</sub> - -, therefor.  
Line 4, delete "Al<sub>2</sub>O<sub>3</sub> REO"" and insert - - Al<sub>2</sub>O<sub>3</sub>.REO" - -, therefor.  
Line 29, delete "Al<sub>2</sub>O<sub>3</sub> metal" and insert - - Al<sub>2</sub>O<sub>3</sub>.metal - -, therefor.  
Line 40, delete "Al<sub>2</sub>O<sub>3</sub> metal" and insert - - Al<sub>2</sub>O<sub>3</sub>.metal - -, therefor.

Column 6

Line 38, delete "Al<sub>2</sub>O<sub>3</sub> metal" and insert - - Al<sub>2</sub>O<sub>3</sub>.metal - -, therefor.

Column 7

Line 9, delete "HfO<sub>2</sub>" and insert - - HfO<sub>2</sub> - -, therefor.  
Line 29, delete "Y<sub>2</sub>O<sub>3</sub> metal" and insert - - Y<sub>2</sub>O<sub>3</sub>.metal - -, therefor.

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Page 3 of 5

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9

Line 28, delete "SiO<sub>2</sub>," and insert - - SiO<sub>2</sub>, - -, therefor.  
Line 50, delete "can. be" and insert - - can be - -, therefor.

Column 11

Line 12, delete "T<sub>x</sub>," and insert - - T<sub>x</sub> - -, therefor.

Column 12

Line 14, delete "T<sub>x</sub>," and insert - - T<sub>x</sub> - -, therefor.

Column 13

Line 37, before "least" delete "at".

Column 14

Line 11, delete "Tx" and insert - - T<sub>x</sub> - -, therefor.

Column 22

Line 52, delete "tetrafluoroboate," and insert - - tetrafluoroborate, - -, therefor.

Column 25

Line 48, delete "“APA-0.5”from" and insert - - "APA-0.5" from - -, therefor.

Column 26

Line 28, delete "Table 26," and insert - - Table 2, - -, therefor.

Column 28

Lines 37-38, delete "diffractometer (obtained" and insert --diffractometer obtained--, therefor.

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Page 4 of 5

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 30

Line 32, delete "Ratio- $I_p/I_c$ " and insert - - Ratio =  $I_p/I_c$  - -, therefor.

Column 31

Line 22, in claim 2, delete "sample" and insert - - same - -, therefor.

Line 23, in claim 2, delete "Ta<sub>2</sub>O." and insert - - Ta<sub>2</sub>O<sub>5</sub>. - -, therefor.

Column 32

Line 9, in claim 6, delete "AS<sub>2</sub>O<sub>3</sub>," and insert - - As<sub>2</sub>O<sub>3</sub>, - -, therefor.

Line 21, in claim 8, after "least" insert - - one - -

Line 39, in claim 11, after "Nb<sub>2</sub>O<sub>5</sub>" insert - - or Ta<sub>2</sub>O<sub>5</sub>, - -.

Line 59, in claim 13, after "Ta<sub>2</sub>O<sub>5</sub>" insert - - , - -.

Line 61, in claim 13, delete "GeO<sub>7</sub>," and insert - - GeO<sub>2</sub>, - -, therefor.

Line 66, in claim 13, delete "made" and insert - - made - -, therefor.

Column 33

Line 22, in claim 19, delete "is" and insert - - as - -, therefor.

Line 31, claim 21, delete "heat-treating," and insert - - heat-treating - -, therefor.

Line 44, claim 21, delete "manner." and insert - - manner, - -, therefor.

Line 59, claim 23, delete "class" and insert - - glass - -, therefor.

Line 64, claim 23, after "ZrO<sub>2</sub>" delete ",".

Column 34

Line 54, claim 33, after "method" delete "of".

Line 57, claim 33, delete "lass-ceramic," and insert - - glass-ceramic - -, therefor.

Line 58, claim 33, delete "bv" and insert - - by - -, therefor.

Line 60, claim 33, after "ZrO<sub>2</sub>" insert - - , - -.

Line 61, claim 33, delete "Nb<sub>2</sub>O<sub>5</sub>or" and insert - - Nb<sub>2</sub>O<sub>5</sub> or - -, therefor.

Line 63, claim 33, delete "GEO<sub>2</sub>," and insert - - GeO<sub>2</sub>, - -, therefor.

Line 65, claim 33, after "Nb<sub>2</sub>O<sub>5</sub>" insert - - or Ta<sub>2</sub>O<sub>5</sub> - -.

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Column 35

Line 1, claim 33, delete "heat-treatin," and insert - - heat-treating, - -, therefor.  
Line 25, claim 39, delete "arnount" and insert - - amount - -, therefor.  
Line 29, claim 40, delete "clain" and insert - - claim - -, therefor.  
Line 38, claim 42, delete "comnprising" and insert - - comprising - -, therefor.

Column 36

Line 31, claim 51, after "Nb<sub>2</sub>O<sub>5</sub>" delete ",".  
Line 41, claim 54, delete "prescnt" and insert - - present - -, therefor.

Column 37

Line 3, claim 59, after "As<sub>2</sub>O<sub>3</sub>," insert - - B<sub>2</sub>O<sub>3</sub>, - -.

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